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By: Nancy Ramos

Printed: Nancy Ramos



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hillman and Goli

Title: NOVEL HUMAN MITOCHONDRIAL MEMBRANE PROTEIN

Serial No.: To Be Assigned

Filing Date: Herewith

Examiner: To Be Assigned

Group Art Unit: To Be Assigned

Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants wish to call to the attention of the Examiner the enclosed "List of References Cited by Applicants." The right is reserved to antedate any item in accordance with standard procedure.

Applicants respectfully submit under 37 C.F.R. 1.98(3)(d) that copies of references 1 to 23 were are not included herein as copies were previously cited by or submitted to the Office in parent applications Serial No. 08/812,645, filed March 7, 1997, and Serial No. 09/208,619, filed December 8, 1998, from which we are claiming priority under 35 U.S.C. 120. However, copies of references 20 to 22 are submitted herewith. References 20 to 22 were cited in the International Search Report for the corresponding PCT Application No. PCT/US 98/04343. A copy of the International Search Report is attached.

Citation of the documents is not to be construed as an admission that the documents are necessarily prior art with respect to the instant invention. This submission is understood to complement the results of the Examiner's own independent search. Citation of the documents shall not be construed

as a representation that a search has been made or that the cited items are inclusive of all the relevant and material citations that may be available publicly. Any NCBI report included herein may not have an accurate date for prior art purposes. Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

Applicants respectfully request that the cited documents be considered by the Examiner and that an initialed copy of the List of References Cited by Applicants be returned to Applicants.

It is believed that this disclosure complies with 37 CFR §§ 1.56, 1.97 and 1.98 and the Manual of Patent Examining Procedures § 609. If for some reason the Examiner considers otherwise, please telephone the undersigned.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. **09-0108**.


If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-855-0555.

Respectfully submitted,

INCYTE GENOMICS, INC.

Date:

4 January 2002



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U.S. Department of Commerce, Patent and Trademark Office	Atty Docket No.	Serial No.
	PF-0229-2 CON	To Be Assigned
LIST OF REFERENCES CITED BY APPLICANTS	Applicants	
(Use several sheets if necessary)	Hillman and Goli	
	Filing Date	Group
	Herewith	To Be Assigned

U.S. Patent Documents

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
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Foreign Patent Documents

							Translation	
	Document	Date	Country	Class	Subclass	Yes	No	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

1	Pfanner, N. et al., "Uniform nomenclature for the protein transport machinery of the mitochondrial membranes", <u>TIBS</u> (1996) 21:51-52.
2	Segui-Real, B., "Functional independence of the protein translocation machineries in mitochondrial outer and inner membranes: passage of preproteins through the intermembrane space", <u>EMBO J.</u> (1993) 12:2211-2218.
3	Bömer, U. et al., "The Preprotein Translocase of the Inner Mitochondrial Membrane: Evolutionary Conservation of Targeting and Assembly of Tim17", <u>J.Mol.Biol.</u> (1996) 262:389-395.
4	Ryan, K.R. et al., "SMS1, a high-copy suppressor of the yeast mas6 mutant, encodes an essential inner membrane protein required for mitochondrial protein import", <u>Mol.Biol.Cell</u> (1994) 5:529-538.
5	Maarse, A.C. et al., "Identification of the essential yeast protein MIM17, an integral mitochondrial inner membrane protein involved in protein import", <u>FEBS Letters</u> (1994) 349:215-221.
6	Boemer, U. et al. (Direct Submission), GenBank Sequence Database (Accession X97544), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland, 20894 (GI 1770564) (08 Jan. 1997).
7	Boemer, U. et al. (Direct Submission), GenBank Sequence Database (Accession X97544), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland, 20894 (GI 1770563) (08 Jan. 1997).
8	Maarse, A.C. (Direct Submission), GenBank Sequence Database (Accession X77796), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland, 20894 (GI 557267) (10 June 1997).

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	9	Maarse, A.C. (Direct Submission), GenBank Sequence Database (Accession X77796), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland, 20894 (GI 557266) (10 June 1997).
	10	Conboy, J.G. et al., "Processing of pre-ornithine transcarbamylase requires a zinc-dependent protease localized to the mitochondrial matrix", <u>Bioch. Biophys. Res. Commun.</u> (1982) 105:1-7.
	11	Burgess, W.H. et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by site-directed Mutagenesis of a Single Lysine Residue", <u>J. Cell Biol.</u> , (1990) 11: 2129-2138.
	12	Lazar, E. et al., "Transforming Growth Factor α : Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities", <u>Mol. Cell. Biol.</u> (1988) 8: 1247-1252.
	13	Tao, M.H. and S.L. Morrison, "STUDIES OF AGLYCOSYLATED CHIMERIC MOUSE-HUMAN iGg: Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", <u>J. Immunol.</u> (1989) 143(8): 2595-2601.
	14	Gillies, S.D. and J.S. Wesolowski, "Antigen binding and biological activities of engineered mutant chimeric antibodies with human tumor specifites", <u>Hum. Antibod. Hybridomas</u> (1990) 1(1): 47-54.
	15	Hillier, L. et al., Accession No. W73999, GenBank (1995).
	16	Hillier, L. et al., Accession No. W72349, GenBank (1995).
	17	Maarse, A.C. et al., "Identification of the essential yeast protein MIM17, and Integral Mitochondrial Inner Membrane Protein Involved in Protein Import", <u>FEBS Lett.</u> (1994) 349(2): 215-221.
	18	Itoh, N. et al., "Two Truncated Forms of Rat Insulin Receptor-related Receptor", <u>J. Biol. Chem.</u> (1993) 268: 17983-17986.
	19	Bork, Peer, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", <u>Genome Res.</u> (2000) 10: 398-400.
	20	Hillier, L. et al., "The WashU-Merck EST Project", EMBL Sequence Data Library, 21 June 1996, Heidelberg, Germany, Accession No. W73999.
	21	Boemer, U. et al., "The preprotein translocase of the inner mitochondrial membrane: evolutionary conservation of targeting and assembly of Tim17", <u>SWISS-PROT</u> , 15 July 1998, Accession No. Q99595.
	22	Adams, M.D. et al., "Initial assessment of human gene diversity and expression patterns based upon 83 million basepairs of cDNA sequence", EMBL Sequence Data Library, 18 April 1997, Heidelberg, Germany, Accession No. AA371908.
Examiner		Date Considered

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